

Converting Colors

`RYB(159, 234, 249)`

Have a look what the booklet for
RYB(159, 234, 249) contains.

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Color

R_YB(159, 234, 249)

Conversions

Conversions Part 1

Format	Color
Hex	9FF9B1
RGB	159, 249, 177
RGB Percent	62%, 98%, 69%
CMY	0.3765, 0.0235, 0.3059
CMYK	0.36, 0.00, 0.29, 0.02
HSL	132°, 88%, 80%
HSV	132°, 36%, 98%
XYZ	56.1096, 78.2966, 53.7504
YIQ	213.8820, -30.5280, -41.4720

Conversions

Conversions Part 2

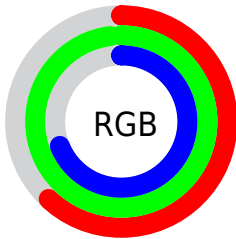
Format	Color
RYB	159, 234, 249
Decimal	10484145
CIELab	90.92, -41.40, 26.27
CIElCh	91, 49.033, 147.603
Yxy	78.2966, 0.2982, 0.4161
Android (android.graphics.Color)	4288674225 (0xFF9FF9B1)
YUV	213.8820, -18.1828, -48.1315
Hunter-Lab	88.4854, -41.6606, 25.9240

Details

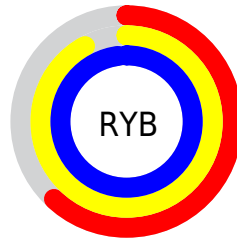
The RYB color **159, 234, 249** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **249, 159, 231**, and the grayscale version is **214, 214, 214**.

A 20% lighter version of the original color is **216, 243, 255**, and **104, 176, 192** is the 20% darker color. If you saturate the color by 10%, you get **134, 230, 249**, and if you desaturate by 10%, it is **184, 238, 249**.

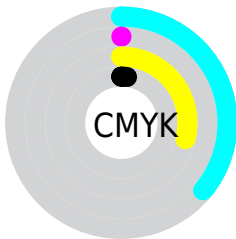
Distribution



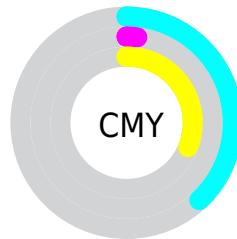
- Red (62%)
- Green (98%)
- Blue (69%)



- Red (62%)
- Yellow (92%)
- Blue (98%)



- Cyan (36%)
- Magenta (0%)
- Yellow (29%)
- Black (2%)



- Cyan (38%)
- Magenta (2%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the RYB color 159, 234, 249 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the RYB color 159, 234, 249 by changing the saturation by 10% instead.

 159, 234, 249

255, 255, 255


 216, 243, 255


 246, 251, 255

 159, 234, 249

 131, 204, 220

 104, 176, 192

 76, 146, 164

 47, 117, 138

 7, 81, 112

 0, 66, 87

 0, 58, 62

 0, 41, 41

 0, 6, 6

 159, 234, 249

 159, 234, 249

 134, 230, 249

 184, 238, 249

 109, 226, 249

 209, 242, 249

 84, 222, 249

 234, 247, 249

 59, 217, 249

 255, 249, 255

 34, 213, 249

 10, 210, 249

 0, 207, 249

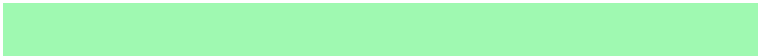
Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



144, 239, 168



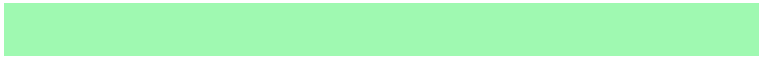
159, 234, 249



92, 182, 254

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



159, 234, 249



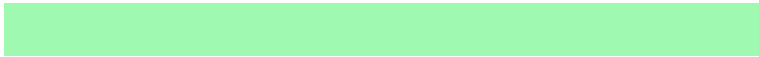
152, 198, 255



255, 196, 188

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



159, 234, 249



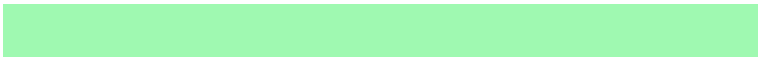
249, 159, 231

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 192, 235



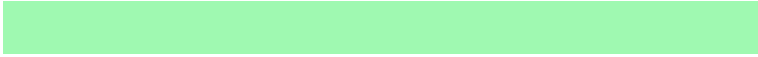
159, 234, 249



229, 218, 255

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



159, 234, 249



55, 153, 255



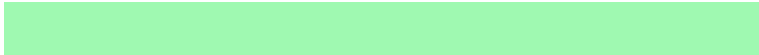
255, 202, 255



237, 255, 151

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



159, 234, 249



26, 140, 255



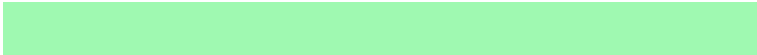
255, 202, 255



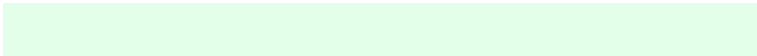
255, 193, 203

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



159, 234, 249



227, 250, 255



159, 249, 177



111, 125, 128



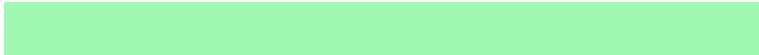
0, 0, 0



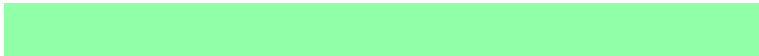
128, 128, 128

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



159, 234, 249



145, 237, 255



159, 212, 249



112, 123, 125



0, 157, 189



0, 51, 61

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



249, 159, 231



255, 145, 233



249, 159, 186



125, 112, 122



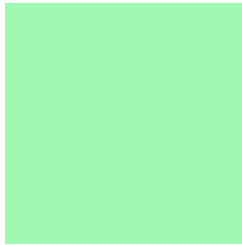
189, 0, 151



61, 0, 49

Previews

White Background



This preview shows how the RYB color 159, 234, 249 looks on a white background.

Color Contrast Check

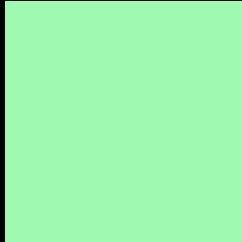
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 159, 234, 249 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 159, 234, 249 Background



This preview shows how black text looks on a background with the RYB color 159, 234, 249.

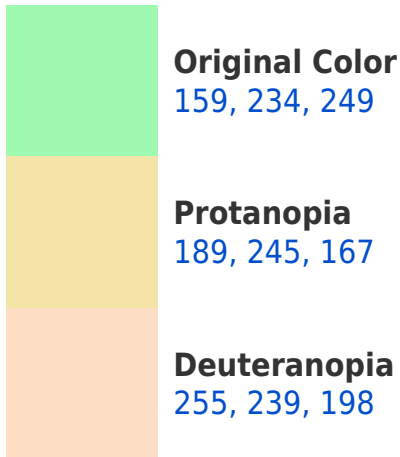


This preview shows how white text looks on a background with the RYB color 159, 234, 249.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy





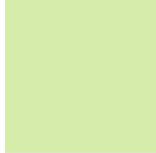
Tritanopia
181, 213, 255

Trichromacy



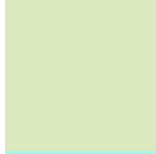
Original Color

159, 234, 249



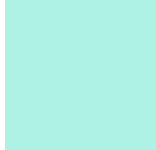
Protanomaly

171, 236, 193



Deuteranomaly

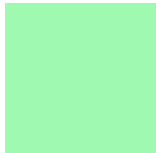
190, 232, 202



Tritanomaly

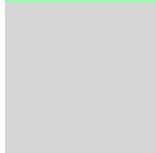
173, 212, 242

Monochromacy



Original Color

159, 234, 249



Achromatopsia

214, 214, 214



Achromatomaly

194, 221, 227

CSS Examples

Text

The CSS property to change the color of the text to RYB 159, 234, 249 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(159, 249, 177)` looks like.

```
.text, #text, p{  
    color:rgb(159, 249, 177)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(159, 249, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 249, 177) }
```

Border

The CSS property to change the border of an element to RYB 159, 234, 249 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(159, 249, 177) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(159, 249, 177) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(159, 249, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(159, 249, 177); -webkit-box-shadow:4px 4px 4px 4px rgb(159, 249, 177); box-shadow:4px 4px 4px 4px rgb(159, 249, 177) }
```

Background

The CSS property to change the background color of an element to RYB 159, 234, 249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 249, 177) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(159,  
249, 177) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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